

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Anthony Dean, et al.

Serial No.: 09/333,181

Filed: June 14, 1999

For: IN-LINE PARTICULATE
DETECTOR

Group No.: 2877

Examiner: Zandra V. Smith

Commissioner for Patents
Box AF
Washington, D.C. 20231

TRANSMITTAL

1. Transmitted herewith is:
Amendment After Final; Submission of Marked Up Claims; Express Mail Certificate;
Postcard

STATUS

2. Applicant
- ☒ claims small entity status.
- ☐ is other than a small entity.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8a)

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☒ deposited with the United States Postal Service,
Express Mail Label No. EVEV263877293US, addressed
to the Commissioner for Patents, Box AF, Washington,
D.C. 20231

Date: Apr. 24, 2003

FACSIMILE

transmitted by facsimile to the Patent and Trademark
Office

Robert B. Reeser, Jr.
Reg No. 45,548

EXTENSION OF TERM

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

- (a) _____ Applicant petitions for an extension of time under 37 C.F.R. 1.136
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension for response within:	Other than small entity Fee	Small entity Fee (if applicable)
_____ first month	\$ 110.00	\$ 55.00
_____ second month	\$ 400.00	\$ 200.00
_____ third month	\$ 920.00	\$ 460.00
_____ fourth month	\$1,440.00	\$ 720.00
_____ fifth month	\$1,960.00	\$ 980.00

Fee: \$ _____

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

_____ An extension of _____ months has already been secured. The fee paid therefor \$_____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____.

OR

- (b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)	SMALL ENTITY		OTHER THAN SMALL ENTITY
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	ADDITIONAL RATE FEE	OR	ADDITIONAL RATE FEE
TOTAL		MINUS		=	x \$9 = \$		x \$18 = \$
INDEP.		MINUS		=	x \$42 = \$		x \$84 = \$
	FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ \$130 = \$		+ \$280 = \$
					TOTAL ADDITIONAL FEE \$	OR	TOTAL ADDITIONAL FEE \$

- (a) ☒ No additional fee for Claims is required

OR

- (b) _____ Total additional fee for claims required \$

FEE PAYMENT

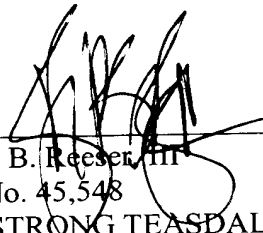
5. _____ Attached is a check in the sum of \$_____
- _____ Charge Deposit Account No. 01-2384 the sum of \$_____.
- _____ A duplicate of this transmittal is attached.

FEE DEFICIENCY

6. ☒ If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

AND/OR

- ☒ If any additional fee for claims is required, charge Deposit Account No. 01-2384.
7. _____ Other:


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TECHNICAL
REVIEW
2003



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Anthony Dean, et al.

Serial No.: 09/333,181

Filed: June 14, 1999

For: IN-LINE PARTICULATE DETECTOR

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: Art Unit: 2877
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: Examiner: Smith, Zandra V.
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:
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AMENDMENT AFTER FINAL

Commissioner for Patents
Box AF
Washington, D.C. 20231

Sir:

In response to the Office Action dated February 24, 2003, and made final, please amend the above-identified patent application as follows:

IN THE CLAIMS:

1. (three times amended) An in-line particulate detector comprising:

a housing having an inner flow portion, which housing is installed in-line between adjacent portions of a pipeline in a system and is removably disposable between the adjacent portions of the pipeline to permit a fuel flow from a fuel source through said inner flow portion to a fuel consumer;

a laser diode light source disposed within said housing for emitting a light beam within said inner flow portion;

a first photodiode disposed within said housing positioned opposite and substantially normal to said laser diode light source such that substantially full strength of an unimpeded generated light beam is detected by said first photodiode;

a second photodiode disposed within said housing adjacent said first photodiode and offset from a normal unimpeded path between said laser diode and said first photodiode such